

Title (en)

Labeled complex and method of analysis therewith.

Title (de)

Markierter Komplex und ihn verwendendes analytisches Verfahren.

Title (fr)

Complexe marqué et méthode d'analyse utilisant le-même.

Publication

EP 0609894 A2 19940810 (EN)

Application

EP 94101720 A 19940204

Priority

JP 1905793 A 19930205

Abstract (en)

A labeled complex formed by combining a labeling agent with a biological substance, where the labeling agent is a trinucleus dye represented by the general formula (I)' or (II)': ring(Xa)-La-ring(Xb)-Lb-ring(Xc) (I)' [ring(Xa)-La-ring(Xb)-Lb-ring(Xc)]<(+)> Y<(-)> (II)' where the ring(Xa), ring(Xb), and ring(Xc), which mean rings having Xa, Xb, or Xc respectively, are independently a heterocyclic ring having one to three heteroatoms of oxygen, sulfur, nitrogen, or selenium, the heterocyclic ring being unsubstituted or substituted by any of a substituted or unsubstituted alkyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted aralkyl group; La and Lb are independently a methine chain composed of one to six substituted or unsubstituted methine linkage, and one of La and Lb may be omitted to link directly the heterocyclic rings; and Y<(-)> represents an anion. A method of analysis, comprises combining any of the labeled complex with a target substance to be detected, and detecting the target substance optically.

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IPC 8 full level

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Cited by

US6060598A; US5919922A; US5571388A; US5922618A; EP0800083A3; EP1535969A3; KR100332426B1; EP0943918A1; EP0747700A3; US6008373A; US6130094A; WO9641144A3; WO03042695A1; US6838289B2; US6962820B2; US7300800B2; US6479303B1; US6545164B1; US6673943B2

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